



## PATENT ABSTRACTS OF JAPAN

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(54) ULTRASONIC IMAGE DIAGNOSTIC DEVICE

(57) Abstract:

**PROBLEM TO BE SOLVED:** To provide an ultrasonic image diagnostic device capable of eliminating the distortion of a three-dimensional image and displaying a correct image by obtaining image data without narrowing a viewing field for ultrasonic tomograms and causing rotation of images even if the images are moved.

**SOLUTION:** An ultrasonic image diagnostic device, having an ultrasonic probe 1 whereby three-dimensional image data consisting of a plurality of successive ultrasonic tomograms is obtained, is provided with a rotation means (polar coordinate converting part 28) which rotates the first ultrasonic tomogram involved in the plurality of ultrasonic tomograms and a correlation computing means (correlation computing part 28) which outputs a correlation value by comput-

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ing the correlation between the first ultrasonic tomogram rotated by the rotation means and the second ultrasonic tomogram involved in the plurality of ultrasonic tomograms, the rotation means re-rotating the first ultrasonic tomogram at an angle at which the correlation value computed by the correlation computing means is highest.

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